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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lin, *et al.* Docket No.: TSM03-0670
Serial No.: 10/729,092 Art Unit: 2811
Filed: December 5, 2003 Examiner: TBD
For: Structure and Method of Forming Integrated Circuits Utilizing Strained Channel Transistors

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Respectfully submitted,

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Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

The Applicant wishes to bring to the attention of the Patent and Trademark Office the information noted on the enclosed form PTO/SB/08A & 08B that may be considered material to the examination of the above-identified application.

No fee is due at this time, as this Information Disclosure Statement is being filed pursuant to 37 C.F.R. § 1.97(b)(3), before the mailing of a first Office action on the merits.

Pursuant to 37 CFR 1.98(a)(2)(i), as amended, copies of U.S. Patents cited are not being submitted. However, Applicant has included copies of any non-patent literature.

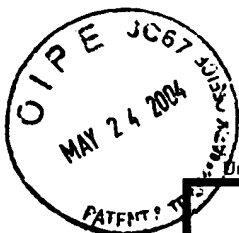
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/729,092
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	December 5, 2003
				First Named Inventor	Lin, et al.
				Art Unit	2811
				Examiner Name	TBD
Sheet	1	of	5	Attorney Docket Number	TSM03-0670

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-4,314,269	02-02-1982	Fujiiki	
	2	US-4,631,803	12-30-1986	Hunter, et al.	
	3	US-4,946,799	08-07-1990	Blake, et al.	
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	10	US-5,811,857	09-22-1998	Assaderaght, et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	23	WO 03/017336 A2	02-27-2003	Amberwave Systems Corporation		

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				Application Number	10/729,092
				Filing Date	December 5, 2003
				First Named Inventor	Lin, <i>et al.</i>
				Art Unit	2811
				Examiner Name	TBD
				Attorney Docket Number	TSM03-0670
Sheet	2	of	5		

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Sheet	3	of	5		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	40	ISMAIL, K., <i>et al.</i> , "Electron Transport Properties of Si/SiGe Heterostructures: Measurements and Device Implications," Applied Physics Letters, Vol. 63, No. 5, (August 2, 1993), pp. 660-662.		
	41	NAYAK, D.K., <i>et al.</i> , "Enhancement-Mode Quantum-Well Ge _x Si _{1-x} PMOS," IEEE Electron Device Letters, Vol. 12, No. 4, (April 1991), pp. 154-156.		
	42	GÁMIZ, F., <i>et al.</i> , "Strained-Si/SiGe-on-Insulator Inversion Layers: The Role of Strained-Si Layer Thickness on Electron Mobility," Applied Physics Letters, Vol. 80, No. 22, (June 3, 2002), pp. 4160-4162.		
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	44	MIZUNO, T., <i>et al.</i> , "Novel SOI p-Channel MOSFETs With Higher Strain in Si Channel Using Double SiGe Heterostructures," IEEE Transactions on Electron Devices, Vol. 49, No. 1, (January 2002), pp.7-14.		
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	51	MATTHEWS, J.W., <i>et al.</i> , "Defects in Epitaxial Multilayers – I. Misfit Dislocations," Journal of Crystal Growth, Vol. 27, (1974), pp. 118-125.		
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Examiner Signature		Date Considered		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	53	MATTHEWS, J.W., <i>et al.</i> , "Defects in Epitaxial Multilayers – III. Preparation of Almost Perfect Multilayers," Journal of Crystal Growth, Vol. 32, (1976), pp. 265-273.	
	54	SCHÜPPEN, A., <i>et al.</i> , "Mesa and Planar SiGe-HBTs on MBE-Wafers," Journal of Materials Science: Materials in Electronics, Vol. 6, (1995), pp. 298-305.	
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	63	WELSER, J., <i>et al.</i> , "NMOS and PMOS Transistors Fabricated in Strained Silicon/Relaxed Silicon-Germanium Structures," IEDM 1992, pp. 1000-1002.	
	64	WANG, L.K., <i>et al.</i> , "On-Chip Decoupling Capacitor Design to Reduce Switching-Noise-Induced Instability in CMOS/SOI VLSI," Proceedings of the 1995 IEEE International SOI Conference, Oct. 1995, pp.100-101.	
	65	YEOH, J.C., <i>et al.</i> , "MOS Gated Si:SiGe Quantum Wells Formed by Anodic Oxidation," Semicond. Sci. Technol. (1998), Vol. 13, pp. 1442-1445, IOP Publishing Ltd., UK.	
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Sheet	5	of	5	Attorney Docket Number	TSM03-0670

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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	66	CAVASSILAS, N., <i>et al.</i> , "Capacitance-Voltage Characteristics of Metal-Oxide-Strained Semiconductor Si/SiGe Heterostructures," Nanotech 2002, Vol. 1, pp. 600-603.	
	67	BLAAUW, D., <i>et al.</i> , "Gate Oxide and Subthreshold Leakage Characterization, Analysis and Optimization," date unknown.	
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	70	CHANG, L., <i>et al.</i> , "Direct-Tunneling Gate Leakage Current in Double-Gate and Ultrathin Body MOSFETs," 2002 IEEE, Vol. 49, No. 12, December 2002.	

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